



# MASTERCcolour CDM-TC Elite

## MASTERCcolour CDM-TC Elite 50W/930 G8.5 1CT/12

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

### Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

### Product data

General Information			
Cap base	G8.5 [ G8.5]	Luminous flux (rated) (nom.)	5400 lm
Operating position	UNIVERSAL [ Any or Universal (U)]	Colour designation	Warm White (WW)
Life to 5% failures (nom.)	12000 h	Lumen maintenance 12,000 hours (nom.)	82 %
Life to 10% failures (nom.)	14000 h	Lumen maintenance 10,000 hours (nom.)	83 %
Life to 20% failures (nom.)	16000 h	Lumen maintenance 2,000 hours (nom.)	95 %
Life to 50% failures (nom.)	20000 h	Lumen maintenance 5,000 hours (nom.)	88 %
ANSI code HID	-	Chromaticity coordinate X (nom.)	0.435
		Chromaticity coordinate Y (nom.)	0.396
		Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	108 lm/W
		Colour-rendering index (min.)	88
Light Technical			
Colour Code	930 [ CCT of 3,000 K]		
Luminous flux (rated) (min.)	4900 lm		

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Colour rendering index (nom.)	91
<b>Operating and Electrical</b>	
Power (Rated) (Nom)	50.2 W
Lamp current run-up (max.)	2 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	96 V
Voltage (Min)	84 V
Voltage (Nom)	90 V
<b>Controls and Dimming</b>	
Dimmable	No
Run-up time 90% (max.)	3 min
<b>Mechanical and Housing</b>	
Lamp Finish	Clear
<b>Approval and Application</b>	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	6.6 mg

Energy consumption kWh/1,000 hours	55 kWh
<b>UV</b>	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.3
<b>Luminaire Design Requirements</b>	
Bulb temperature (max.)	550 °C
Pinch temperature (max.)	350 °C
<b>Product Data</b>	
Full product code	872790093062700
Order product name	MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12
EAN/UPC – product	8727900930627
Order code	93062700
Numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928191805131
SAP net weight (piece)	0.010 kg
ILCOS code	MT/UB-50/930-H-G8.5-17/85

## Dimensional drawing

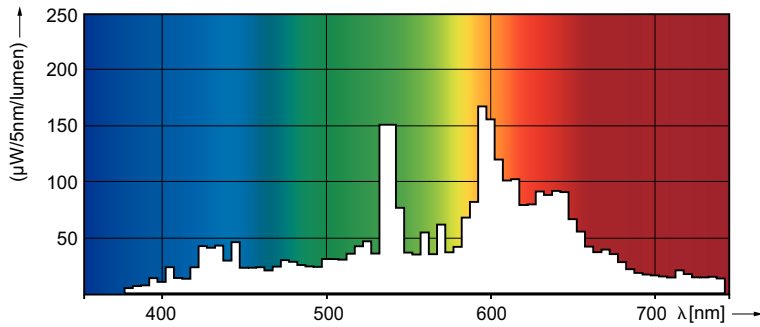
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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12	15 mm	6 mm	51 mm	53 mm	52 mm	85 mm

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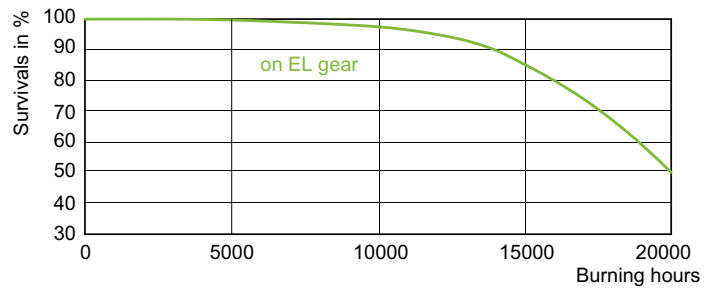
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## Photometric data



LDPO\_CDMTC-E\_50W\_930-Spectral power distribution Colour

## Lifetime



LDLE\_CDMTC-E\_0002-Life expectancy diagram

